

May 7, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Robert B. Nilsen, Patrick W. Mullen, Michael J. Hanrahan, and Edward D. Phillips

Application No.: 10/728,128 Group Art Unit: 2826

Filed: December 4, 2003 Examiner: Not assigned

Confirmation No.: 7639

Title: A LIGHT POLARIZER

CERTIFICATE OF MAILING OR TRANSMISSION	
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May 7, 2004	<i>Sharon G. Carlisle</i>
Date	Signature
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Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
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Alexandria, Virginia 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
 - ☒ Copies of the cited references are enclosed.
 - ☒ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
 - ☒ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. 09/927,781, to which priority under 35 U.S.C. 120 is claimed. The earlier application contains copies of the cited references.
 - ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
 - ☒ The "concise explanation" requirement (non-English references) for reference AM2 under 37 CFR 1.98(a)(3) is satisfied by:
 - ☐ the explanation provided on the attached sheet.
 - ☐ the explanation provided in the Specification.
 - ☐ submission of the enclosed International Search Report.
 - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
 - ☒ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's
Initials

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

_____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner

Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By _____

Erik L. Ence

Registration No.: 42,511

Telephone: (978) 341-0036

Facsimile: (978) 341-0136

Dated: May 7, 2004
Concord, MA 01742-9133

PTO-1449 REPRODUCED

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

May 7, 2004

(Use several sheets if necessary)

MAY 10 2004

O I P E
1034333
TRADEMARK OFFICEATTORNEY DOCKET NO.
1571.2018-005APPLICATION NO.
10/728,128FIRST NAMED INVENTOR
Robert B. NilsenFILING DATE
December 4, 2003EXAMINER
Not assignedCONFIRMATION NO.
7639GROUP
2826

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AA	6,447,120	09-10-2002	Hansen, <i>et al.</i>
	AB	2002/0122235	09-05-2002	Kurtz, <i>et al.</i>
	AC	6,384,884	05-07-2002	Nakamura, <i>et al.</i>
	AD	6,348,995	02-19-2002	Hansen, <i>et al.</i>
	AE	2002/0015135	02-07-2002	Hansen, <i>et al.</i>
	AF	2001/0053023 A1	12-20-2001	Kameno, <i>et al.</i>
	AC	6,322,236	11-27-2001	Campbell, <i>et al.</i>
	AH	6,262,842	07-17-2001	Ouderkirk, <i>et al.</i>
	AI	6,175,442	01-16-2001	Booth, <i>et al.</i>
	AJ	6,156,397	12-05-2000	Stephenson
	AK	6,124,971	09-26-2000	Ouderkirk, <i>et al.</i>
	AA2	6,084,714	07-04-2000	Ushiyama, <i>et al.</i>
	AB2	6,081,376	06-27-2000	Hansen, <i>et al.</i>
	AC2	6,072,628	06-06-2000	Sarayedine
	AD2	6,031,665	02-29-2000	Carlson, <i>et al.</i>
	AE2	6,027,220	02-22-2000	Arai
	AF2	6,004,713	12-21-1999	Urata, <i>et al.</i>
	AG2	5,991,077	11-23-1999	Carlson, <i>et al.</i>
	AH2	5,968,666	10-19-1999	Carter, <i>et al.</i>
	AI2	5,948,831	09-07-1999	Broer, <i>et al.</i>
	AJ2	5,943,167	08-24-1999	Kelly
	AK2	5,940,149	08-17-1999	Vanderwerf
	AA3	5,856,855	01-05-1999	Mol, <i>et al.</i>
	AB3	5,600,462	02-04-1997	Suzuki, <i>et al.</i>
	AC3	5,572,362	11-05-1996	Shikama, <i>et al.</i>
	AD3	5,559,634	09-24-1996	Weber

EXAMINER

DATE CONSIDERED

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION May 7, 2004 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 1571.2018-005		APPLICATION NO. 10/728,128	
	FIRST NAMED INVENTOR Robert B. Nilsen		FILING DATE December 4, 2003	
	EXAMINER Not assigned		CONFIRMATION NO. 7639	GROUP 2826

U.S. PATENT DOCUMENTS				
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AE3	5,422,756	06-06-1995	Weber
	AF3	5,394,253	02-28-1995	Kelly
	AG3	5,390,276	02-14-1995	Tai, <i>et al.</i>
	AH3	5,359,691	10-25-1994	Tai, <i>et al.</i>
	AI3	5,157,526	10-20-1992	Kondo, <i>et al.</i>
	AJ3	5,126,882	06-30-1992	Oe, <i>et al.</i>
	AK3	4,688,897	08-25-1987	Grinberg, <i>et al.</i>
	AA4	4,556,292	12-03-1985	Mathyssek, <i>et al.</i>
	AB4	4,553,822	11-19-1985	Mahlein
	AC4	3,921,871	12-13-1966	Henry
	AD4	3,458,248	07-29-1969	Eversole
	AE4	2,432,484	12-09-1947	Moulton

EXAMINER	DATE CONSIDERED
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	EXAMINER Not assigned	CONFIRMATION NO. 7639	GROUP 2826

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
	AL	WO 00/65385	11-02-2000	3M Innovative Properties Company		
	AM	WO 00/57214	09-28-2000	3M Innovative Properties Company		
	AN	WO 00/33122	06-08-2000	Matsushita Electric Industrial Co., Ltd.		
	AO	WO 00/22463	04-20-2000	Minnesota Mining & Manufacturing Co.		
	AP	WO 00/17698	03-30-2000	Minnesota Mining & Manufacturing Co.		
	AQ	WO 00/17677	03-30-2000	3M Innovative Properties Company		
	AL2	WO 95/14249	05-26-1995	Alliedsignal Inc.		
	AM2	WO 00/08496	02-17-2000	Kawakami, <i>et al.</i>	X (abstract only)	
	AN2	EP 1 103 829 A1	05-30-2001	Kawakami, <i>et al.</i>		
	AO2					
	AP2					
	AQ2					
	AL3					
	AM3					
	AN3					
	AO3					
	AP3					
	AQ3					
	AL4					
	AM4					

EXAMINER	DATE CONSIDERED
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PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION May 7, 2004 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 1571.2018-005		APPLICATION NO. 10/728,128	
	FIRST NAMED INVENTOR Robert B. Nilsen		FILING DATE December 4, 2003	
	EXAMINER Not assigned		CONFIRMATION NO. 7639	GROUP 2826

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR	Weber, M., "Retroreflecting Sheet Polarizer," SID International Symposium, Digest of Technical Papers, ISSN 0097-966X, 427-429 (May 1992).	
AS	ACCEPT W ³ Group, Polarized Light, Polarized Light Reading, Department of Physics and Astronomy, Arizona State University, Tempe, Arizona [online], December 1999 [retrieved on 2001-07-12]. Retrieved from the Internet <URL:http://accept.la.asu.edu/PiN/rdg/polarize/polarize.shtml>	
AT	Boerner, V., et al., "Holographic Surface-Relief Microstructures for Large Area Applications," 1 st euspen Topical Conference on Fabrication and Metrology in Nanotechnology and 2 nd General Meeting of the European Society for Precision Engineering and Nanotechnology, Copenhagen, Denmark, May 28-30, 2000.	
AU	Module 6-10, "Polarizers," The Center for Occupational Research and Development, Waco, Texas[online], 1988 [retrieved on 2001-07-12]. Retrieved from the Internet <URL:http://cord.org/cm/leot/course06_mod10/mod06_10.htm>.	
AV	Yu, Z., et al., "Reflective Polarizer Based on a Stacked Double-Layer Subwavelength Metal Grating Structure Fabricated Using Nanoimprint Lithography," <i>Applied Physics Letters</i> , American Institute of Physics, New York, New York, vol. 77, no. 7, pp. 927-929, August 14, 2000.	
AW	Wilson, S. J., et al., "The Optical Properties of 'Moth Eye' Antireflection Surfaces," <i>Optica Acta</i> , XX, XX, vol. 29, no. 7, pp. 993-1009, 1982.	
AX	Chou, S. Y., et al., "Subwavelength Amorphous Silicon Transmission Gratings and Applications in Polarizers and Waveplates," <i>Applied Physics Letters</i> , American Institute of Physics, vol. 67, no. 6, pp. 742-744, August 7, 1995.	
AY	Jagt, H. J. B., et al., "Micro-structured Polymeric Linearly Polarized Light Emitting Lightguide for LCD Illumination," <i>SID 02 Digest</i> , 45.3:1236-1239 (2002).	
AZ	Chien, K.-W., et al., "An Integrated Lightguide Equipped with Polarization Conversion," <i>SID 02 Digest</i> , 45.1:1229-1231 (12002).	
AR2		
AS2		
AT2		

EXAMINER	DATE CONSIDERED
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